

# Seminarium Zakładu Fizyki Teoretycznej

Departament Badań Podstawowych  
Narodowego Centrum Badań Jądrowych

**28 listopada 2018 r. (środa), godz.12:15**  
pawilon NCBJ, sala 22, Hoża 69

**dr Alina CZAJKA**

(Narodowe Centrum Badań Jądrowych)

## **“HYDRO FOR HEAVY-ION COLLISIONS OR HEAVY-ION COLLISIONS FOR HYDRO?”**

### **ABSTRACT:**

The evolution of strongly interacting matter produced in heavy-ion collisions is described very efficiently by the relativistic hydrodynamics. It created a unique interplay between theory and experiment which resulted in an enormous development of hydrodynamics and led to extraction of multiple properties of the quark-gluon plasma. At the seminar, I will present main findings on the plasma coming from the application of hydrodynamics to modeling of heavy-ion collisions. I will also describe main concepts of fluid dynamics and discuss transport phenomena responsible for dissipative effects.

Serdecznie zapraszamy,

*M. Kowal, W. Piechocki, J. Skalski, L. Szymanowski*